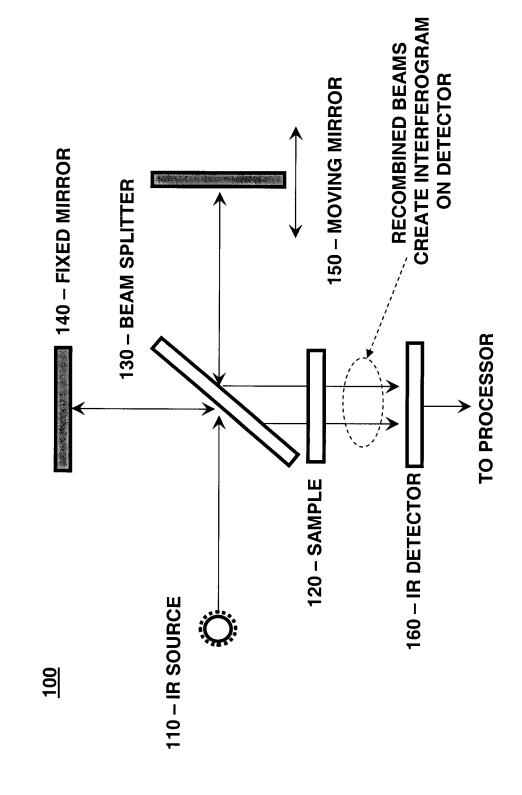
FIG. 1 – FOURIER TRANSFORM IR (FTIR) MICHELSON INTERFEROMETER (BACKGROUND ART)



INTERFEROMETRIC SPECTROPSCOPY USING NO MOVING PARTS FIG. 2

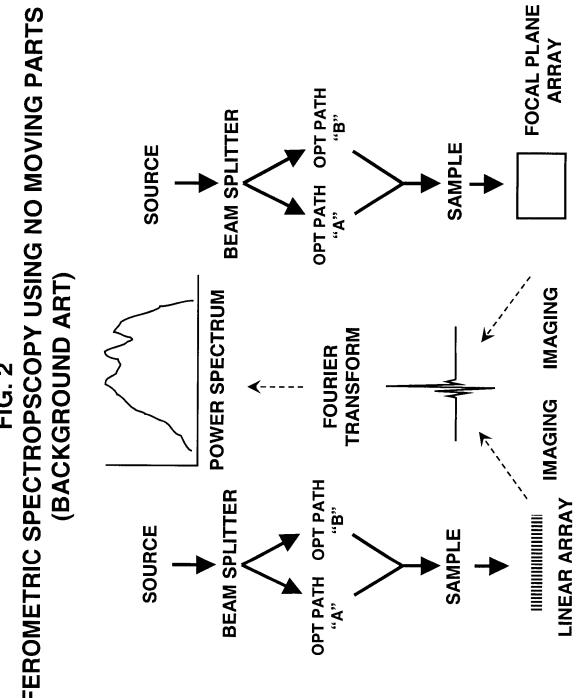
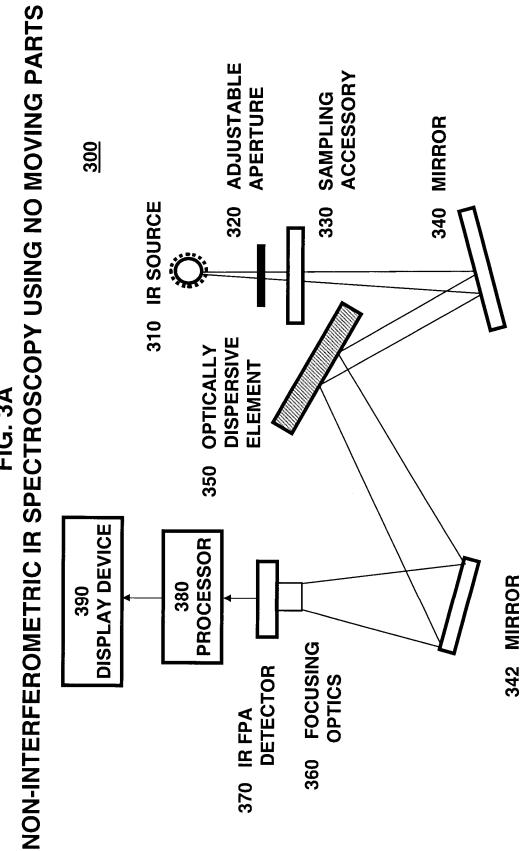
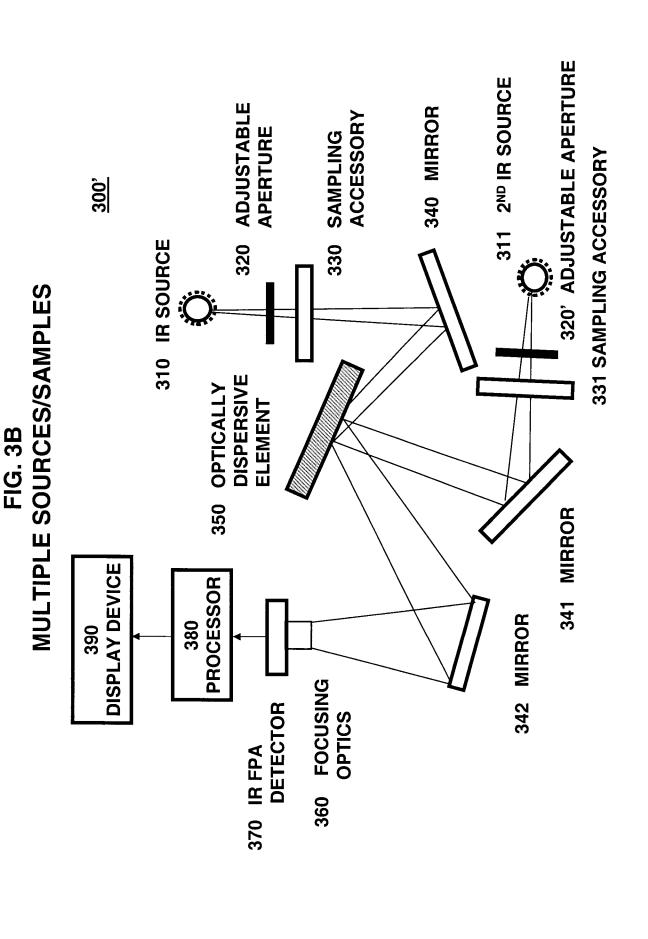


FIG. 3A





SPATIAL MULTIPLEXING OF MULTIPLE BEAMS FIG. 3C

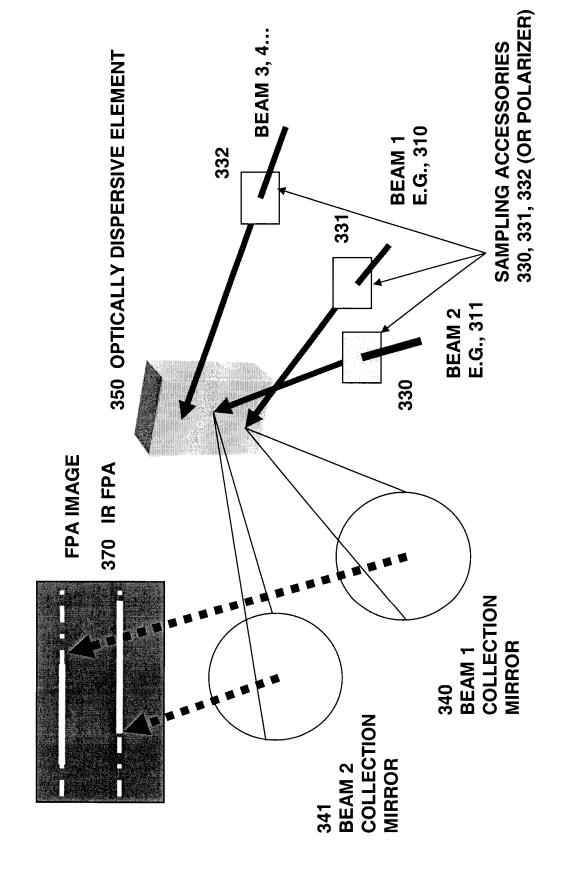


FIG. 3D SAMPLING WITH POLARIZED LIGHT

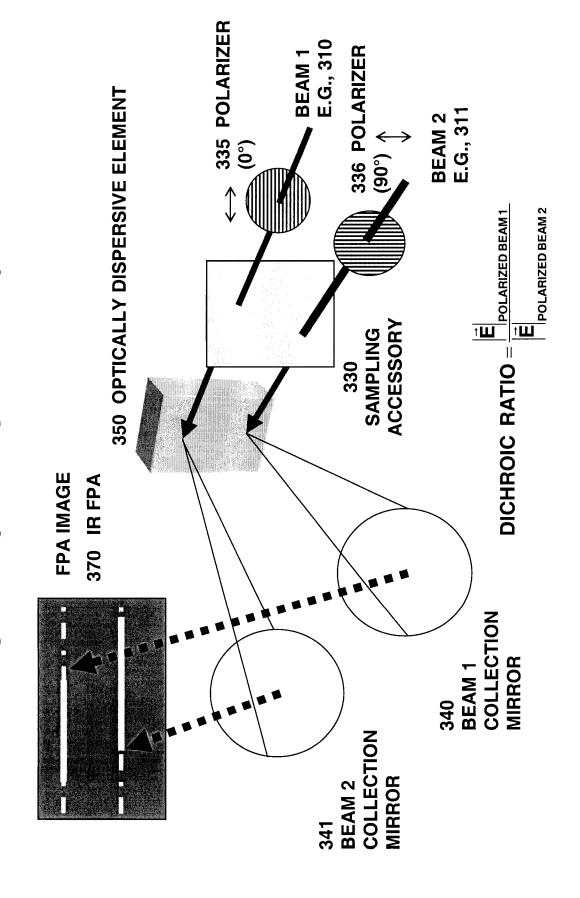
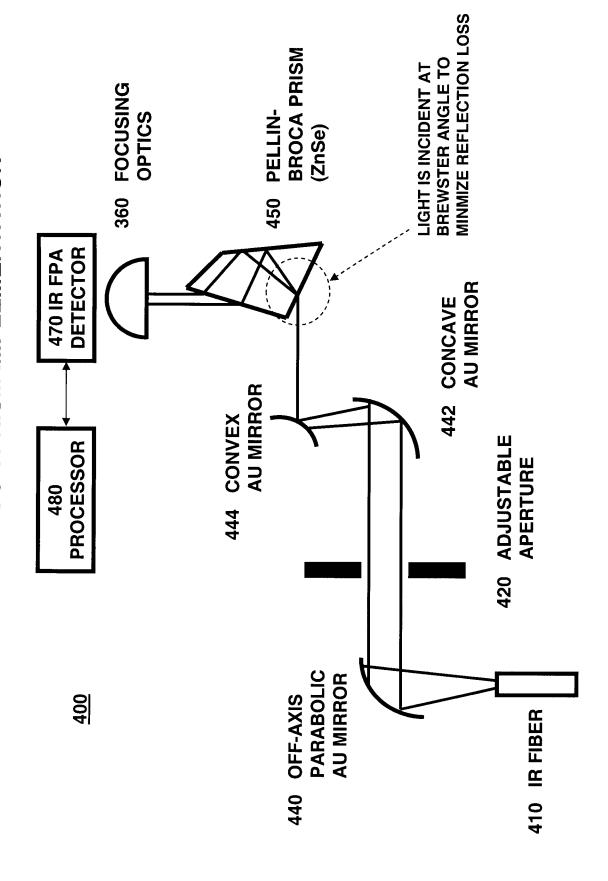
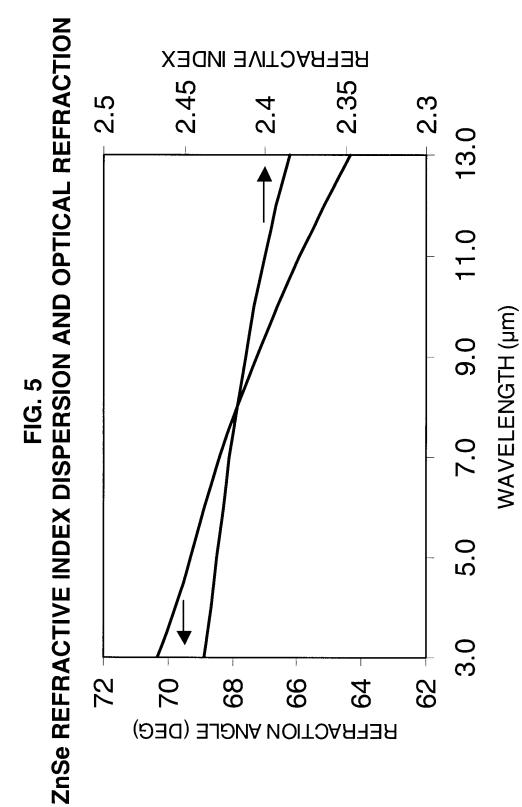


FIG. 4 - PELLIN-BROCA PRISM IMPLEMENTATION





PELLIN-BROCA PRISM IMPLEMENTATION

FIG. 6
CONFIGURATION FOR REAL-TIME BACKGROUND CORRECTION

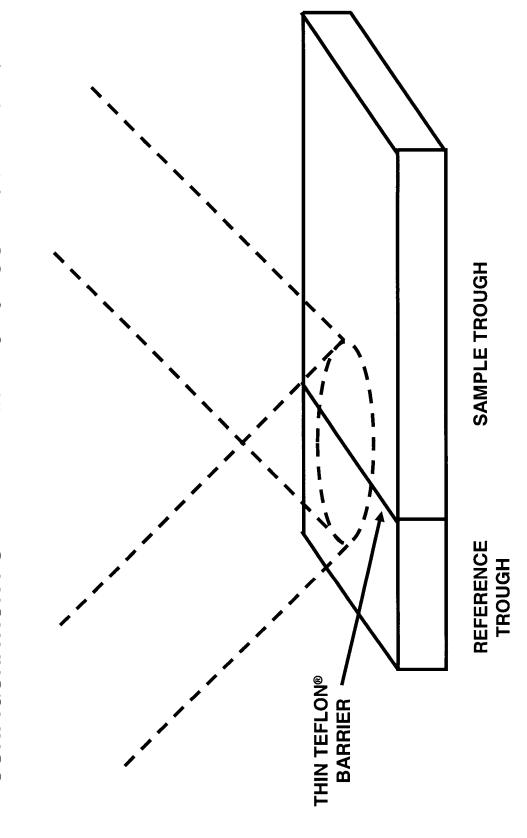


FIG. 7 MEASURING MULTIPLE ANGLES OF INCIDENCE

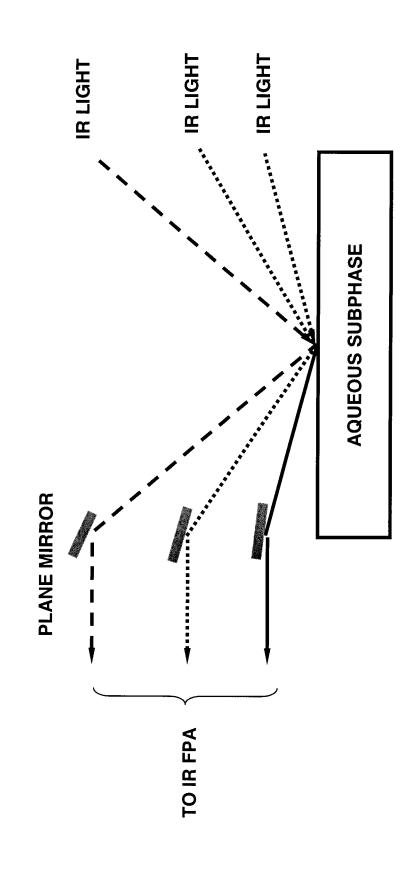
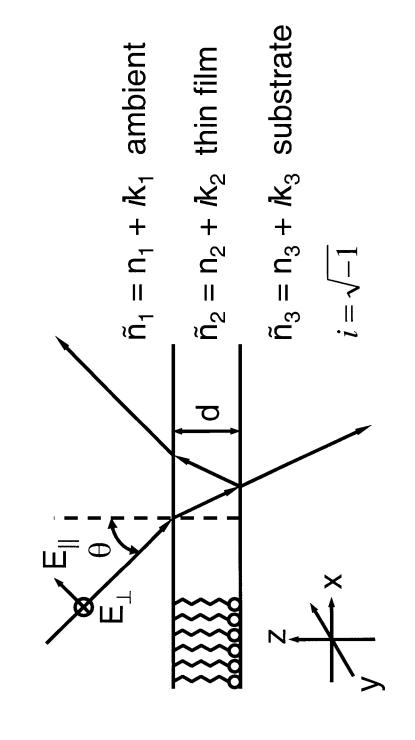
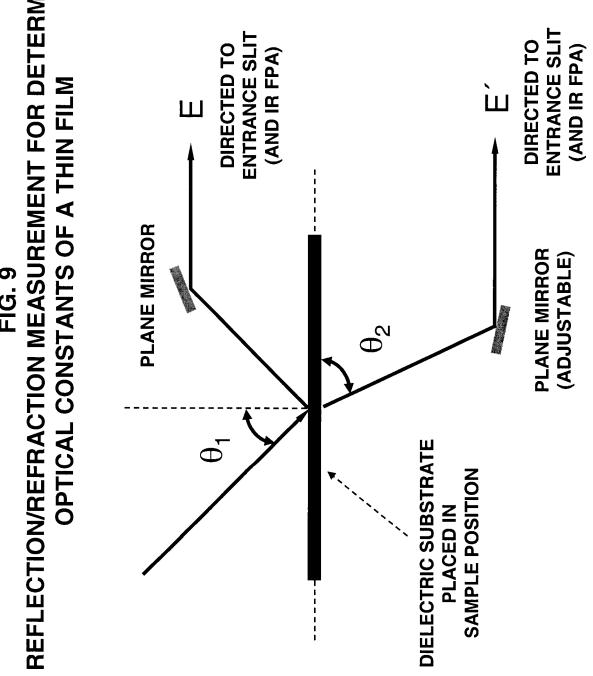


FIG. 8 STRATIFIED THREE-PHASE SYSTEM



REFLECTION/REFRACTION MEASUREMENT FOR DETERMINING **FIG.** 9



POLARIZATION MODULATION INFRARED REFLECTANCE-ABSORBANCE SPECTROSCOPY (CONVENTIONAL PM-IRRAS USED WITH FTIR) FIG. 10

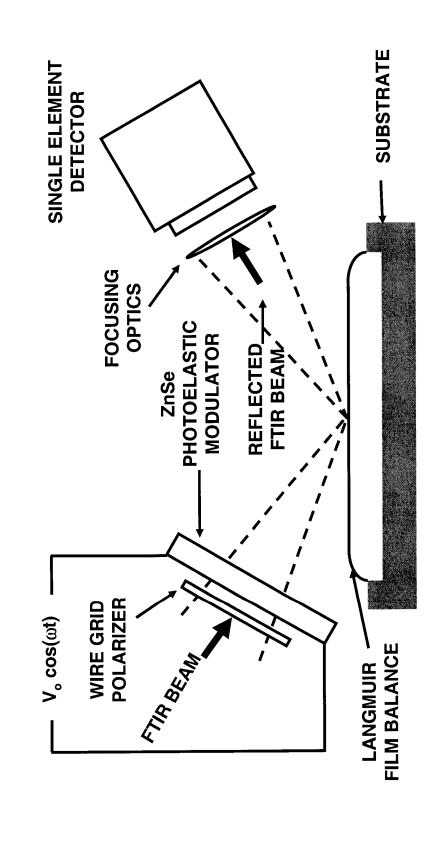


FIG. 11

